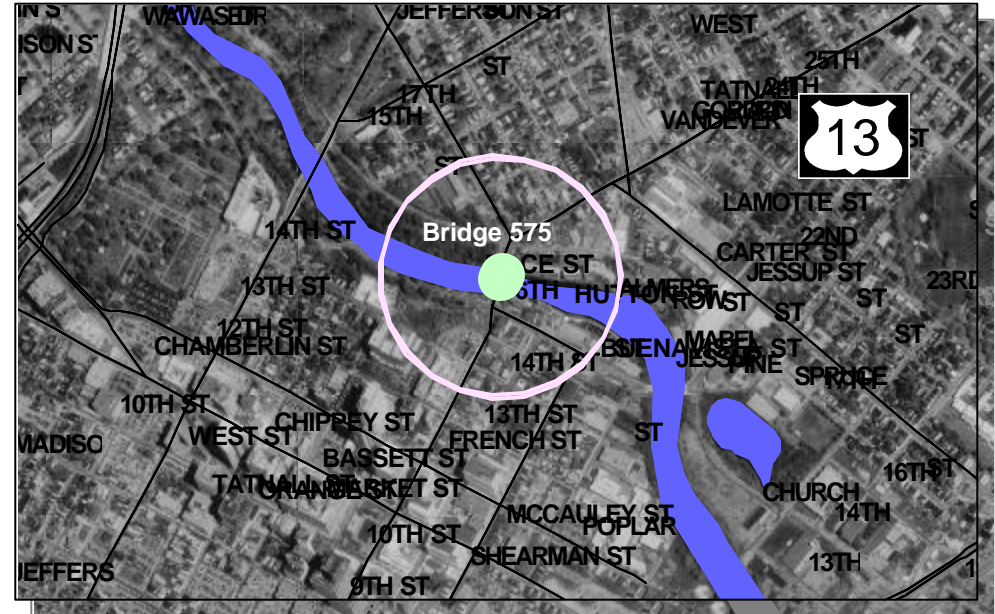


BR575 ON MARKET STREET OVER BRANDYWINE RIVER

PROJECT SCOPE/DESCRIPTION: Improvements include the replacement of the bridge deck, as well as repair of concrete spalling and gunite encased steel; and repair of corroded steel members and stone façade – the latter to be replaced if necessary.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 33rd on the bridge deficiency list.



BR575 ON MARKET STREET OVER BRANDYWINE RIVER (CONTINUED)

County: New Castle
Municipality: Wilmington
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 3
Senatorial District: 3

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
34	113	138	2,320				2,605

All \$ X 1,000

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
99-074-02	R/W ENV LANSC C	100% ST 100% ST 80% - Q10 80% F – Q10 TOTAL	10 10 100 <u>2,200</u> 2,320	10 10 100 <u>2,200</u> 2,320				

All \$ X 1,000

BR599 ON BENGE ROAD OVER SMALL CREEK

PROJECT SCOPE/DESCRIPTION: Improvements will include replacing the existing rigid frame; scour protection for the foundation; and safety upgrades at both approaches.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 13th on the bridge deficiency list.



BR599 ON BENGEE ROAD OVER SMALL CREEK (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 12
Senatorial District: 6

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
17	7	13	360				397

All \$ X 1,000

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
99-071-09	R/W C	100% ST 100% ST TOTAL	10 <u>350</u> 360	10 <u>350</u> 360				

All \$ X 1,000

BR636 ON KIRKWOOD HIGHWAY (SR 2) AND BR233 ON OLD CAPITAL TRAIL**PROJECT SCOPE/DESCRIPTION:**

BR636 – This bridge is a rigid frame structure, 20-foot span with a 97-foot width. The existing road section is a dual highway with a 92-foot width. At Bridge 636, the stream approach has an acute angle of attack. As such, a concrete slab was placed in the channel, north of the bridge, to limit scour. The proposed work is limited to this channel improvement. No work will be done on the bridge itself. The improvements will include breaking-up segments of the existing concrete stream channel and replacing those segments with rip-rap. As some of the slab has a structural role, not all the slab will be removed. Additional rip-rap may be placed to protect concrete elements that need to remain.

**PROJECT JUSTIFICATION:**

BR636 – The existing concrete channel pavement is in poor condition and repair is necessary to prevent the undermining of the bridge foundation. The bridge ranks 100th on the bridge deficiency list.



BR636 ON KIRKWOOD HIGHWAY (SR 2) AND BR233 ON OLD CAPITAL TRAIL (CONTINUED)

BR233 – This bridge is a single span, arch concrete structure with a span of 16 feet and a width of 25.5 feet, at the stream elevation. There is a sewer conduit running along the eastern segment of the arch. The existing roadway section is 28 feet wide, 2 travel lanes and 2 shoulders. To the south of the bridge, there is a separate 5-foot wide timber walkway spanning the stream. Improvements will include the replacement of the concrete arch bridge with a precast concrete arch and beam structure and the replacement of the existing timber pedestrian bridge with a sidewalk. The bridge and footprint of the bridge will be widened to meet Federal safety standards. The proposed section will match the existing roadway section at approaches, 30-foot curb to curb.

PROJECT JUSTIFICATION:

BR233 – The bridge is structurally deficient and ranks 82nd on the bridge deficiency list.



County:	New Castle
Municipality:	
Funding Program:	Road System – Bridge Improvements
Functional Category:	Preservation
Representative District:	19,20
Senatorial District:	8

BR636 ON KIRKWOOD HIGHWAY (SR 2) AND BR233 ON OLD CAPITAL TRAIL (CONTINUED)***Funding Information***

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
			110	750			860

All \$ X 1,000

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
21-071-02	PE R/W C	100% ST 100% ST 80% F – Q24 TOTAL	110 50 <u>700</u> 860	110 ——— 110	 50 <u>700</u> 750			

All \$ X 1,000

BR688 ON SOUTH MARKET STREET OVER CHRISTINA RIVER

PROJECT SCOPE/DESCRIPTION: This is a double leaf draw bridge which spans the Christina River. An in-depth inspection of the structural, mechanical, and electrical systems is being conducted. The recommendations of this inspection will be used to design improvements to address the problems found. Repair/rehabilitation will be funded upon completion of the inspection/design phase through the Bridge Preservation Program.

PROJECT JUSTIFICATION: This bridge is functionally obsolete and ranks 48th on the bridge deficiency list.



BR688 ON SOUTH MARKET STREET OVER CHRISTINA RIVER (CONTINUED)

County: New Castle
Municipality: Wilmington
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 3
Senatorial District: 2,3

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
				200			200

All \$ X 1,000

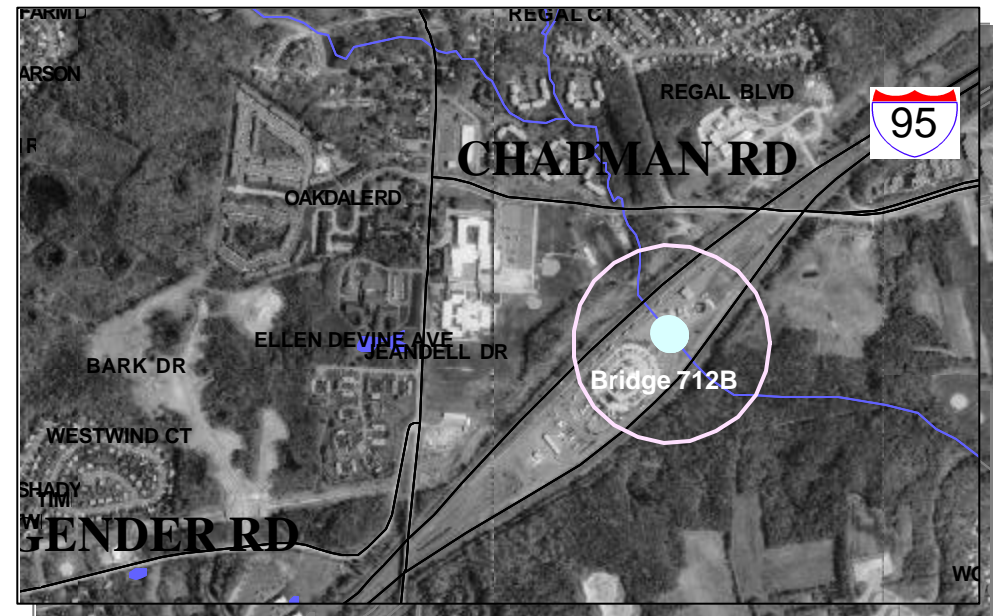
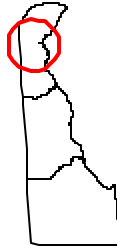
FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
	PE C*	100% ST	200	200				

All \$ X 1,000

BR712B, RAMP J AT I-95, SERVICE CENTER

PROJECT SCOPE/DESCRIPTION: This project will reinforce the existing rigid concrete frame with glass fiber, reinforced polymer plates and replace the existing hot-mix with a high performance, latex modified concrete overlay.

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 40th on the bridge deficiency list.



BR712B, RAMP J AT I-95, SERVICE CENTER (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 24
Senatorial District: 10, 11

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
			100	400			500

All \$ X 1,000

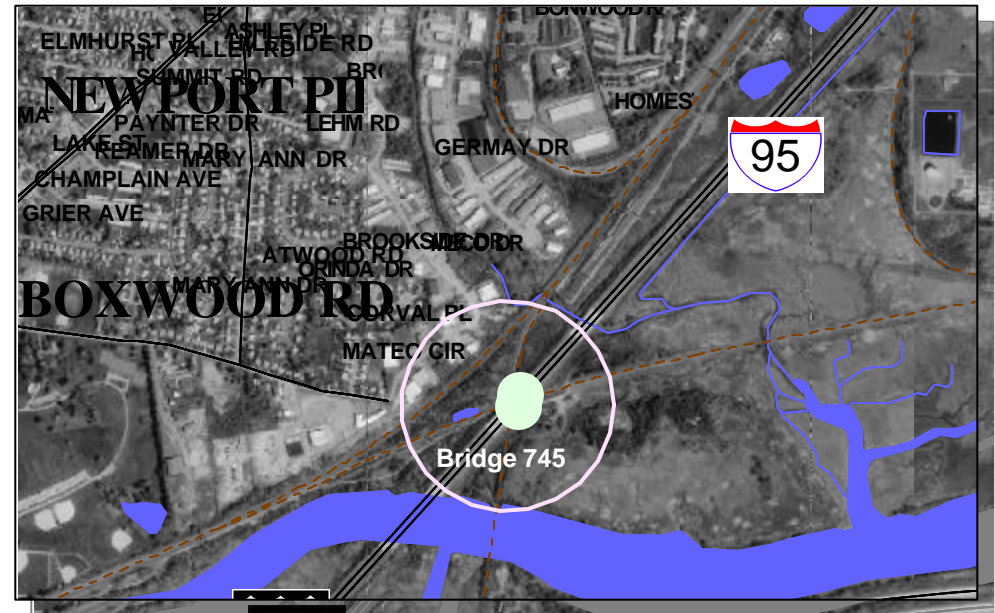
FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
	PE C	100% ST 90% F – Q10	100 <u>400</u>	100 _____	<u>400</u>			
		TOTAL	500	100	400			

All \$ X 1,000

BR745 ON I-95 OVER CONRAIL

PROJECT SCOPE/DESCRIPTION: This project will address a variety of problems by replacing all joint seals, approach slabs, and broken anchor bolts; repairing screen shields, concrete spalls and eroded slopes; installing splice plates over fatigue-sensitive joints; and painting exposed steel throughout.

PROJECT JUSTIFICATION: The bridge is ranked 36th on the bridge deficiency list.



BR745 ON I-95 OVER CONRAIL (CONTINUED)

County: New Castle
Municipality: Wilmington
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 16
Senatorial District: 13

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
27	83	43	2,300				2,453

All \$ X 1,000

FMB ID OR PROJ #	PHASE	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
99-074-04	C	90% F – Q05	2,300	2,300				

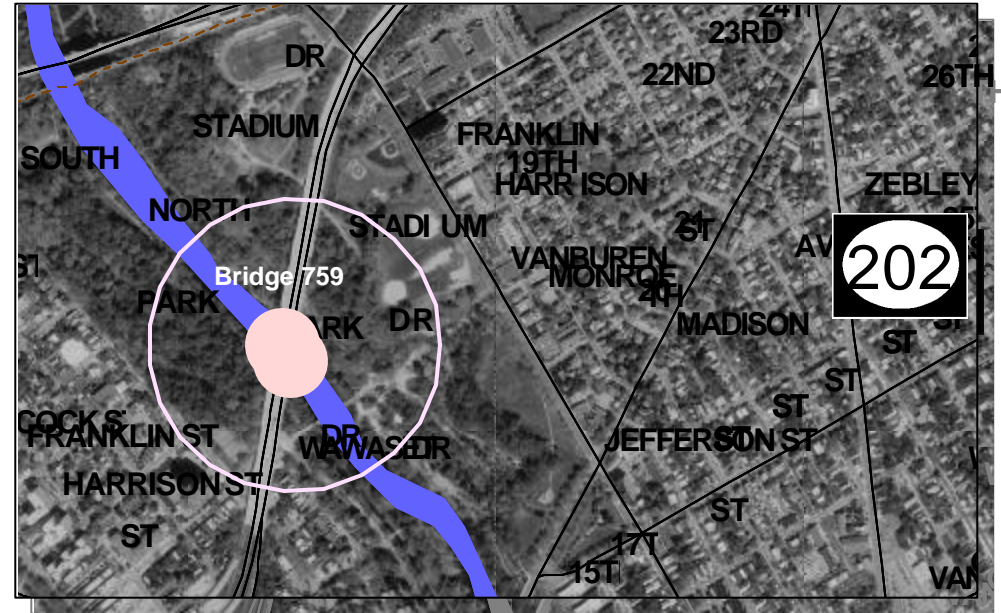
All \$ X 1,000

BR759 ON I-95 OVER BRANDYWINE RIVER

PROJECT SCOPE/DESCRIPTION: This bridge will be completed in two different phases. The first phase is under construction and includes: repair pier caps; install drain troughs under finger joints; replace concrete barrier; reset some bearings, and paint fascia beams.

The second phase of the project will be constructed in conjunction with the Wilmington I-95 Pavement Rehabilitation project and will include: reconstruction of the parapets; installation of new light poles; construction of a new permanent protective shield at selected locations; replacement of the bridge deck at the longitudinal joint; replacement of approach slabs; and deck repair at selected locations

PROJECT JUSTIFICATION: The bridge is structurally deficient and ranks 50th on the bridge deficiency list.



BR759 ON I-95 OVER BRANDYWINE RIVER (CONTINUED)

County: New Castle
Municipality: Wilmington
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 1
Senatorial District: 1

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
66	81	52	2,000		2,000		4,199

All \$ X 1,000

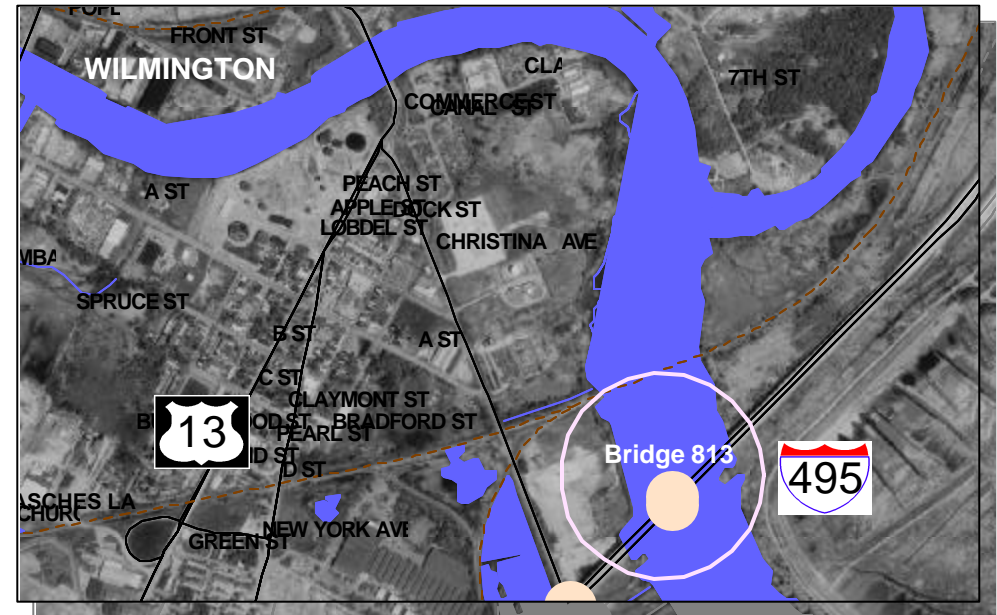
FMB ID OR PROJ #	INDIVIDUAL PROJECT SEGMENTS	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	PHASE	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
99-074-05	Phase I	80% F – Q10	2,000	C	2,000				
	Phase II	90% F – Q01	<u>2,000</u>	C			2,000		
		Total							

All \$ X 1,000

BR813 ON I-495 OVER CHRISTINA RIVER

PROJECT SCOPE/DESCRIPTION: This project will remove the existing vinyl top coat paint and replace with a new top coat, as well as resetting the bearings (on one pier) and providing a seismic retrofit.

PROJECT JUSTIFICATION: The 1970's vintage paint includes an inorganic zinc system with a vinyl overcoat. The undercoat does not need to be replaced, but the vinyl overcoat does need to be replaced to preserve the integrity of the bridge.



BR813 ON I-495 OVER CHRISTINA RIVER (CONTINUED)

County: New Castle
Municipality: Wilmington
Funding Program: Road System – Bridge Improvements
Functional Category: Preservation
Representative District: 16
Senatorial District: 13

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
2	3				6,000		6,000

All \$ X 1,000

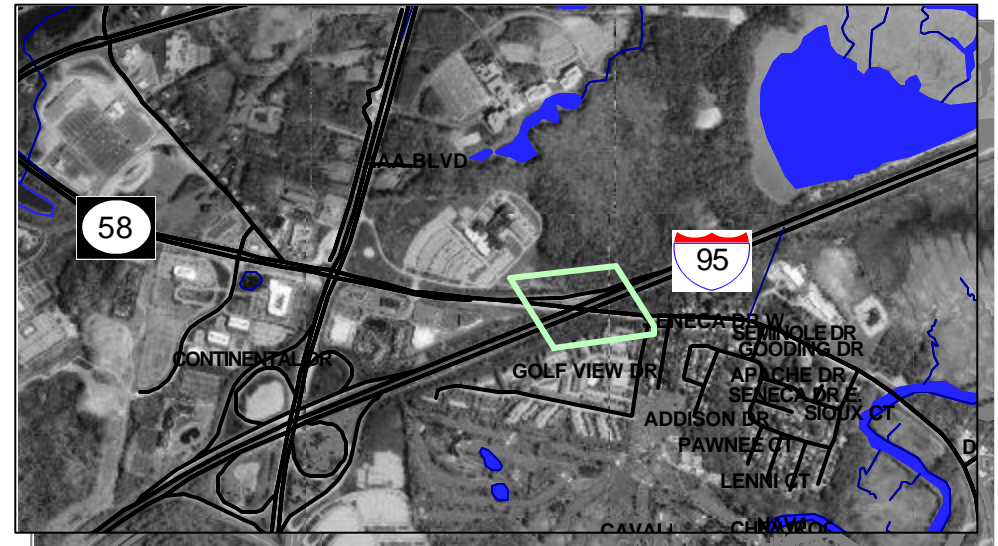
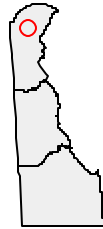
FMB ID OR PROJ #	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	PHASE	FY 2002 7/00-6/01 TOTAL	FY 2003 7/01-6/02 TOTAL	FY 2004 7/02-6/03 TOTAL	FY 2005-2007 7/03-6/04 TOTAL
94-074-11	80% F – Q10	6,000	C	6,000			

All \$ X 1,000

CHURCHMAN'S CROSSING CAPACITY IMPROVEMENTS – CHURCHMAN'S BRIDGE

PROJECT SCOPE/DESCRIPTION: Design and construction to replace the existing bridge with a new facility on Churchman's Road over I-95. The initial typical section will include one lane on Churchman's Road in each direction with shoulders and a full bicycle/pedestrian lane. The bridge will be designed for a future left turn storage lane for a future ramp from Churchman's Road to I-95, as well as adequate width underneath for a future 5th lane along I-95.

PROJECT JUSTIFICATION: To alleviate traffic congestion in the Churchman's Crossing area as part of overall improvements.



CHURCHMAN'S CROSSING CAPACITY IMPROVEMENTS – CHURCHMAN'S BRIDGE (CONTINUED)

County: New Castle
Municipality:
New Funding Program: Road System – Bridge Improvements
Functional Category: System Expansion
Representative District: 15, 18, 23, 24, 25, 26
Senatorial District: 9, 10, 11, 13

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
			581	70	9,000		9,651

All \$ X 1,000

FMB ID OR PROJ #	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	PHASE	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02 TOTAL	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07 TOTAL
91-071-05	100% ST 100% ST 80% F – Q06	451 200 9,000	PE R/W C	381 200 _____	70 _____ _____	_____	9,000	
	TOTAL	9,651		581	70	9,000		

All \$ X 1,000

SR141, KENNETT PIKE TO US202 (TYLER MCCONNELL BRIDGE)

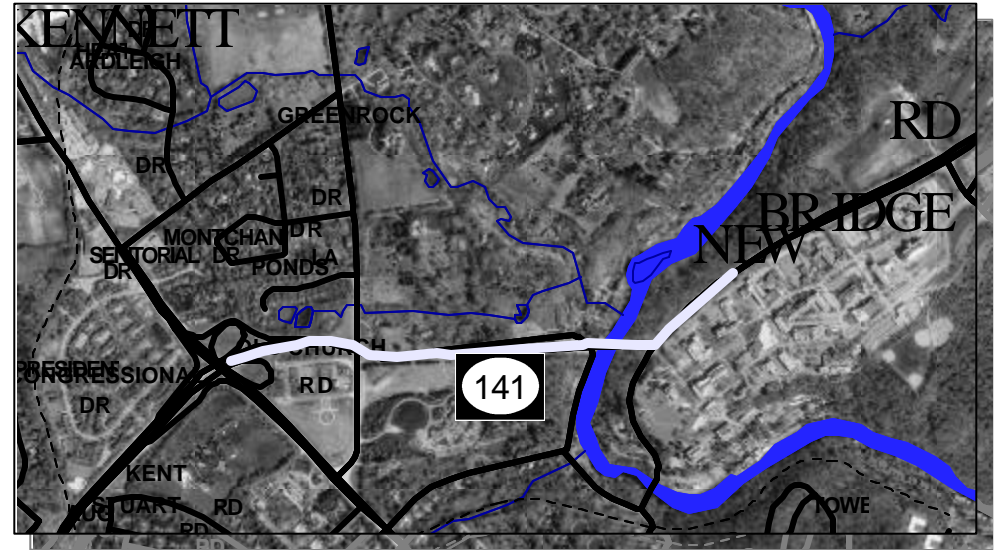
PROJECT SCOPE/DESCRIPTION: This segment of SR141 includes the Tyler McConnell Bridge, a two-lane structure crossing the Brandywine River near the DuPont Experimental Station and the Hagley Museum. As part of our public outreach effort, a Working Group was established to assist the Department in the development of a multi-modal solution to this problem, while minimizing the impacts of any proposed solution to the many environmental and historic resources of this area. Public workshops were held to present information on various alternatives. A final recommendation from the Working Group on the preferred transportation solution was submitted to the Secretary. The historical and environmental processes have not been finalized and recommendations will be developed from that process as well. The Secretary will then consult with the Governor and Legislature to accept and/or modify the recommendations.

The Working Group recommendation included a package of short-term and mid/long term solutions. Short-term improvements consist of: Enhanced Transit Service, Transit Supportive Infrastructure, Travel Demand Management(TDM) Measures/Traffic Mitigation Agreements, DelTrac, 100/141 intersection improvements to provide a second westbound lane on 141 and longer left turn lanes on 141, providing a dedicated left-turn lane onto Old Barley Mill Road, and operational improvements at the 141/100 and 141/Rising Sun Lane intersections. Bike/pedestrian paths and landscaping will be provided.

Long-term improvements consist of a new 2-lane bridge immediately south of the existing bridge. The new 2-lane bridge should be similar in type and at the same elevation as the existing bridge. The bridge will be built when an oversight committee, appointed by the Secretary, determines that the data from an annual monitoring program supports the need for the new bridge.

A complete assessment of the impacts of these various alternatives and packages of improvements will be finalized in a Supplemental Environmental Assessment.

PROJECT JUSTIFICATION: This segment of SR141 is a critical link in supporting the major business centers along SR141 from I95 to US202, including DuPont and AstraZeneca. Only being two lanes, the Tyler McConnell Bridge has limited capacity to support projected traffic volumes and will continue to act as a pinch point in this segment of the corridor



SR141, KENNETT PIKE TO US202 (TYLER MCCONNELL BRIDGE) (CONTINUED)

County: New Castle
Municipality:
Funding Program: Road System – Bridges
Functional Category: Expansion
Representative District: 6,4,11
Senatorial District: 1,4, 6

Funding Information

Prior Expenditures FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005-2007	Total
			7,600	1,200	69,694		75,293

All \$ X 1,000

FMB I.D. OR PROJ #	FUNDING	EST COST TO COMPLETE IN TODAY'S \$	PHASE	FY 2001 7/00-6/01 TOTAL	FY 2002 7/01-6/02	FY 2003 7/02-6/03 TOTAL	FY 2004 7/03-6/04 TOTAL	FY 2005-2007 7/04-6/07
	100% ST	800	PLAN	600	200			
	100% ST	7,000	PE		7,000			
	100% ST	9,000	R/W-C		1,000	8,000		
	80% AC F – Q24	<u>58,493</u>	C	_____	_____	<u>61,694</u>		
	TOTAL	75,293		600	8,200	69,694		

All \$ X 1,000